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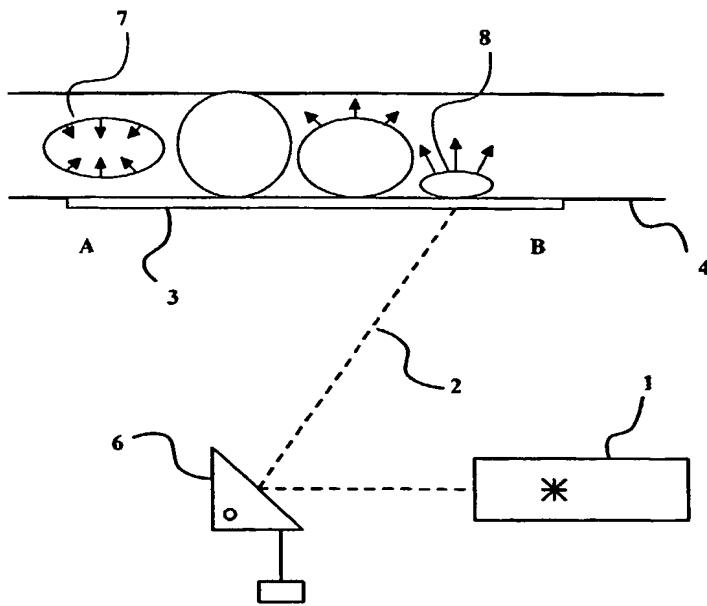
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(54) Title: MICRO LIQUID HANDLING DEVICE AND METHODS FOR USING IT



(57) Abstract: The invention makes available methods and devices for handling liquids in micro channel systems by means of bubbles generated by a movable light beam. In particular the devices relate to pumps, valves, mixers and thermal reactors in micro channel systems and the combination of these devices into larger systems. The methods relate to the preparation and operation of the devices.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK 03/00544

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F04B19/24 //F04B19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F04B F16K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used):

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 186 001 A (SHIFLETT GEOFFREY R ET AL) 16 February 1993 (1993-02-16) the whole document ---	1
A	US 5 649 423 A (SNIEGOWSKI JEFFRY J) 22 July 1997 (1997-07-22) the whole document ---	1
A	US 6 071 081 A (SHIRAISHI SADASUMI) 6 June 2000 (2000-06-06) the whole document -----	1

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

Internati
PCTation No
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Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 5186001	A 16-02-1993	US	5367878 A	29-11-1994
US 5649423	A 22-07-1997	NONE		
US 6071081	A 06-06-2000	JP	5240155 A	17-09-1993